Claims

1. A spray gun including a spray gun body which atomizes a paint for spraying to an object, and a pressure indication unit formed as at least a part of a grip of the spray gun to be removably installable to the spray gun grip and having assembled therein a pressure transducer, the pressure transducer comprising:

a pressure sensor having a coupling portion for coupling to a fluid channel in the spray gun body and communicating with the fluid channel;

a digital converter which is supplied with a detection signal from the pressure sensor and converts the signal into a digital signal; and

a digital indicator to provide a digital indication of the digital signal output from the converter,

the pressure indication unit being removably installable to the spray gun body.

2. The spray gun according to claim 1, wherein the pressure indication unit includes:

a pressure indication module integrally incorporating the pressure transducer;

a compressed air coupling; and

a compressed air outlet for coupling to a compressed air channel in the spray gun body.

3. The spray gun according to claim 2, wherein the pressure indication module incorporates a pressure indicator, pressure sensor and circuit board, power terminals connected to the circuit board and a pressure-sensitive element of the pressure sensor, exposed in the compressed air channel, being exposed outside.

4. A spray gun which is supplied with pressure-adjusted compressed air

introduced through a compressed air intake and provides a jet of atomizing air, in which a pressure sensor is exposed in a channel for the pressure-adjusted compressed air, there is built in the spray gun a circuit board forming a digital converter which converts a pressure detection output from the pressure sensor into an electrical signal by an A-D converter to provide an output signal for digital indication, and the output signal from the digital converter is used to provide a digital indication of the pressure of compressed air or control the spraying from the spray gun.

5. The spray gun according to claim 4, wherein a digital indicator is provided in a part of the spray gun and a power source for the digital indicator and digital converter is built in the spray gun, the indicator and power source being individually removable.

6. The spray gun according to claim 4, wherein there is provided a coupling having formed therein a compressed air outlet for connection to the air channel in the spray gun body, and the pressure sensor, circuit board and digital indicator are formed integrally with each other as a unit, the unit being removably installed to the spray gun.

7. The spray gun according to any one of claims 4 to 6, being an automatic one which is operable with supply of a pre-adjusted compressed air.

8. The spray gun according to any one of claims 3 to 7, wherein the power source and pressure transducer or circuit board are built in the spray gun, being isolated from outside by a sealing means.

9. A spray gun comprising a gun barrel provided with an atomizing air cap, paint supply adjuster, spray pattern adjuster and air valve, and an adapter having compressed air intake and outlet and formed for removable installation to at least a part of a grip of the spray gun, extending backward and downward from the gun barrel.